

## PACSIN2 Polyclonal Antibody

Catalog number: 10518-2-AP

Size: 30 µg/150 µl

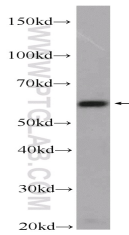
Source: Rabbit

Isotype: IgG

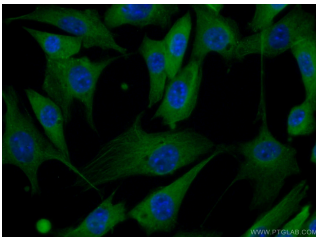
Synonyms:

PACSIN2; PACSIN2, SDPII,

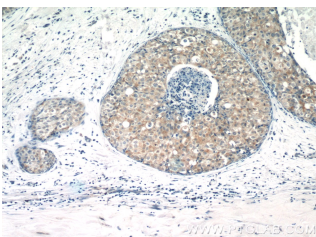
Syndapin 2



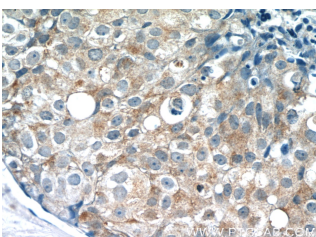
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10518-2-AP (PACSIN2 Antibody) at dilution of 1:600



Immunofluorescent analysis of ( 10% Formaldehyde ) fixed NIH/3T3 cells using 10518-2-AP ( PACSIN2 Antibody ) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 10518-2-AP (PACSIN2 Antibody) at dilution of 1:400 (under 10x lens)



Immunohistochemistry of

### Background

Peripheral membrane proteins of the Bin/amphiphysin/Rvs (BAR) and Fer-CIP4 homology-BAR (F-BAR) family participate in cellular membrane trafficking (PMID: 19549836). PACSIN2 (also known as syndapin-2) is a member of the protein kinase C and casein kinase substrate in neurons (PACSIN) family, which are membrane-binding proteins characterized by an amino-terminal F-BAR domain. PACSIN2 plays a role in intracellular vesicle-mediated transport. It is involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization (PMID: 23129763). PACSIN2 also has a role in caveolae membrane sculpting (PMID: 21610094).

### Applications

Tested applications:	ELISA, IHC, WB, IP, IF
Cited applications:	IF, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated PACSIN2 MW:	56 kDa
Observed PACSIN2 MW:	60-65 kDa
Positive WB detected in	NIH/3T3 cells, mouse heart tissue, mouse lung tissue
Positive IP detected in	NIH/3T3 cells
Positive IHC detected in	Human breast cancer tissue, human skin tissue
Positive IF detected in	NIH/3T3 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:50-1:500

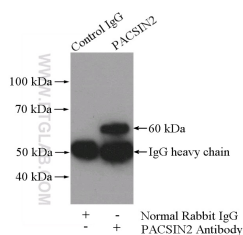
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0809
GenBank accession number:	BC008037
Gene ID (NCBI):	11252
Full name:	Protein kinase C and casein kinase substrate in neurons 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-PACSIN2

paraffin-embedded human (IP:10518-2-AP, 4ug;  
breast cancer tissue slide Detection:10518-2-AP 1:500)  
using 10518-2-AP( PACSIN2 with NIH/3T3 cells lysate  
Antibody) at dilution of 1:400 1200ug.  
(under 40x lens)